

**Notice of Allowability**

Application No.

09/542,602

Examiner

Adnan M. Mirza

Applicant(s)

CROW ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/12/2006.
2. ☒ The allowed claim(s) is/are 16-24, 31-34 and 36-39.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material


5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other \_\_\_\_\_

  
JASON CARDONE  
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicants, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it must be submitted no later than the payment of the issue fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Mr. Eric A. Stephenson on 12/17/06.

Please amend claims 16, 22, 23 and 24 and cancel claims 25-30, 35 and 40.

16. (Currently Amended) A method for managing a plurality of services located on a plurality of servers as an extensible service bus, comprising:

providing a registration service where an agent machine can register as a subscriber with the extensible service bus and receive a subscriber identification;

providing a login service where the agent machine can connect to the extensible service bus using the subscriber identification;

providing a service map management service that receives server location information from each of the plurality of services;

generating a service location map comprising a listing of the plurality of the services included on the extensible service bus and server location information corresponding to each service of the listing;

providing a connection status service to monitor the connection status of subscribers and the servers connected to the extensible service bus; and

providing a network control service, wherein the network control service causes a setting on a network device to change to establish a network physical connection to the

agent machine, and the network physical connection complies with a requirement for the agent machine to use one of the plurality of services;  
transmitting a copy of the service location map to each subscriber to the extensible service bus.

22. (Currently Amended) A computer program ~~product~~ storage comprising:  
first instructions for providing a registration service where an agent machine can register as a subscriber with the extensible service bus and receive a subscriber identification;  
second instructions for providing a login service where the agent machine can connect to the extensible service bus using the subscriber identification;  
third instructions for providing a service map management service that receives server location information from each of the plurality of services;  
instructions for generating a service location map comprising a listing of at least one of the plurality of the services included on the extensible service bus and server location information corresponding to each service of the listing;  
fourth instructions for providing a connection status service to monitor the connection status of subscribers and the servers connected to the extensible service bus; and  
fifth instructions for providing a network control service, wherein  
the network control service causes a setting on a network device to change to establish a network physical connection to the agent machine, and the network physical connection complies with a requirement for the agent machine to use one of the plurality of services;  
sixth instructions for transmitting a copy of the service location map to each subscriber to the extensible service bus.

23. (Currently Amended) A system comprising:  
a registration service where an agent machine can register as a subscriber with the extensible service bus and receive a subscriber identification;

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- a login service where the agent machine can connect to the extensible service bus using the subscriber identification;
- a service map management service that receives server location information from each of the plurality of services and which generates a service location map in response to receiving server location information, wherein the service location map comprises a listing of at least one of the plurality of the services included on the extensible service bus and server location information corresponding to each service of the listing;
- a connection status service to monitor the connection status of subscribers and the servers connected to the extensible service bus; and
- a network control service, wherein the network control service causes a setting on a network device to change to establish a network physical connection to the agent machine, and the network physical connection complies with a requirement for the agent machine to use one of the plurality of services;
- a circuit for transmitting a copy of the service location map to each subscriber to the extensible service bus.

24. (Currently Amended) A server computer system comprising:

a processor for executing instructions; and

a memory for storing the instructions, wherein the instructions comprise:

- first instructions for providing a registration service where an agent machine can register as a subscriber with the extensible service bus and receive a subscriber identification;
- second instructions for providing a login service where the agent machine can connect to the extensible service bus using the subscriber identification;
- third instructions for providing a service map management service that receives server location information from each of the plurality of services;
- instructions for generating a service location map comprising a listing of at least one of the plurality of the services included on the extensible service bus

and server location information corresponding to each service of the listing;

fourth instructions for providing a connection status service to monitor the connection status of subscribers and the servers connected to the extensible service bus; and

fifth instructions for providing a network control service, wherein the network control service causes a setting on a network device to change to establish a network physical connection to the agent machine, and the network physical connection complies with a requirement for the agent machine to use one of the plurality of services;

sixth instructions for transmitting a copy of the service location map to each subscriber to the extensible service bus.

25. – 30. (Cancelled)

35. (Cancelled)

40. (Cancelled)

*Reasons for Allowance*

1. Claims 16-24, 31-34, 36-39 will be allowed.
2. The following is an examiner's statement of reasons for allowance.

The prior art references most closely resembling the applicants claimed invention are Elliott et al (U.S. 6,335,927) and Johnson et al (U.S. 2002/0095400).

Elliott disclosed a media order entry captures complete user profile information for a user. This profile information is utilized by the system through out the media experience for routing, billing, monitoring, reporting and other media control functions. However Elliott failed to disclose, "transmitting a copy of the service location map to each subscriber to the extensible service bus" (claims 16,22,23,24).

Johnson disclosed a system that enables an operator of the content deliver system to charge each content supplier or user on the basis of the content volume delivered system to charge each content supplier or user on the basis of the content volume delivered and a system with the ability to define objectives including an anticipated number of simultaneous subscribers or system resources per subscriber.

In summary, the Examiner submits that neither Elliott, nor Johnson teaches all the limitations of independent claims in combination with other elements. Specifically prior art does not teach

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“transmitting a copy of the service location map to each subscriber to the extensible service bus”; therefore, claims 16-24, 31-34, 36-39 have been deemed allowable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (571)-272-3885.

The examiner can normally be reached on Monday to Friday during normal business hours. If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Jason Cardone can be reached on (571)-272-3933. The fax for this group is (703)-746-7239. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866)-217-9197 (toll-free).

  
JASON CARDONE  
SUPERVISORY PATENT EXAMINER